0756-7224

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 10/724,126 Application Number ONFORMATION DISCLOSURE Filing Date December 1, 2003 STATEMENT BY APPLICANT Hongyong ZHANG et al. First Named Inventor many sheets as necessary) 2871 1765 Group Art Unit K. Parker Des Examiner Name Sheet

Attorney Docket Number

			U.S. PATENT DOCUMEN	TS	·	
Examiner Initials	Cite No.	U.S. Patent Document	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Code ² (If known)	Document	MM-DD-YYYY		
10		4,465,529	Arima et al.	08/14/1984		
1		5,424,244	Zhang et al.	06/13/1995	·	
		2004/0115940	Zhang et al.	06/17/2004		
		6,358,784	Zhang et al.	03/19/2002		
dil		2003/0122131	Zhang et al.	07/03/2003		
	1					

	<u> </u>			F	OREIGN PATENT DOC	UMENTS		
Examiner Initials	Cite No.'		Foreign Patent Doo		Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office	Number ⁴	Kind Code ³ (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	r*
ĮΥ		JP	57-202729			12/11/1982		Abst.
		JP .	56-080138	3		07/01/1981		Con. Stmt.
		JP	60-070722	2		04/22/1985		Abst.
		JP	57-094482	2		06/11/1982		Full
.]		JP	05-326430)		12/10/1993		Abst.
		JP	64-076715	5		03/22/1989		Full
		JP	03-286518	3		12/17/1991		Full
7		JP	01-260812	2		10/18/1989		Abst.
IU		JP	04-011226	5		01/16/1992		Abst.
			ОТ	HER PRIOR	art – non patent lite	RATURE DOCUMENTS		
Examiner Initials	Cite No. ¹				nor (in CAPITAL LETTERS), urnal, serial, symposium, catal publisher, city and/or count	og, etc.)., date, page(s), volum		T²
			7					
		+			 			+
	}	1						1

Examiner Signature	RQ.	Date Considered	10/3/01

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box → [+]

SEP 0 1 2004

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMM Under the Paperwork Reduction Act of 1995, no persons are required prespond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO 10/724,126 Application Number INFORMATION DISCLOSURE December 1, 2003 Filing Date STATEMENT BY APPLICANT Hongyong ZHANG et al. First Named Inventor (use as many sheets as necessary) 2871-1761 Group Art Unit 1100 K_Parker Examiner Name Attorney Docket Number Sheet of 0756-7224 **U.S. PATENT DOCUMENTS** Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear U.S. Patent Document Date of Publication of Cited Examine Name of Patentee or Applicant of Cited MM-DD-YYYY Document Kind Code² Number

				F	OREIGN PATENT DOC	UMENTS		
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office ³	Number ⁴	Kind Code ³ (if Itnown)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	T ⁴
fil		JP	63-20889	6		08/30/1988		Full
	- 		•					
			01	HER PRIOR	ART - NON PATENT LITI	RATURE DOCUMENTS		
Examiner Initials*						priate), title of the e-issue number(s),	T	
		1						+
	1							1

Examiner Signature Date Considered 10/3/05

[•]EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box \rightarrow [+]

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Prient and Trademark Office: U.S. DEPARTMENT OF COMMERCE
the Programmer Reduction Act of 1995, no persons are waited to respond Associated information unless it contains a valid OMB control number.

	for form 1449A/PTO	0, 1,,,,		TRADERAN	Complete if Known
INFO	RMATION I)ISC	OSUDE	Application Number	10/724,126
				Filing Date	December 1, 2003
SIAI	TEMENT BY			First Named Inventor	Hongyong ZHANG et al.
	(use as many sheets o	is necesso	(עיני)	Group Art Unit	1765
				Examiner Name	K. Parker DED
Sheet	1	of	l	Attorney Docket Number	0756-7224

			U.S. PATENT DOCUMEN	TS		
Examiner Initials	Cite No.	U.S. Patent Document	Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number Kind Code ¹ (if known)	Document	MM-DD-YYYY		
W		5,485,019	Yamazaki et al.	01/16/1996		
,		5,114,834	Nachshon	05/19/1992		
		5,871,826	Mei et al.	02/16/1999		
$\neg \tau$		5,854,803	Yamazaki et al.	12/29/1998		
		5,815,494	Yamazaki et al.	09/29/1998		
160		5,766,989	Maegawa et al.	06/16/1998		
70		5,756,364	Tanaka et al.	05/26/1998		

					FOREIGN PATEN	T DOCUM	IENTS		
Examiner Initials	Cite No. ¹	Foreign Patent Document				Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office ³	Number ⁴	Kind Code ³ (if known)	Applicant of Cited D	ocument	MM-DD-YYYY	Figures Appear	т•
			 -						
	-								
		LL	0	THER PRI	OR ART – NON PATE	NT LITERA	TURE DOCUMENTS		
Examiner Initials*	Cite No.				of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the gazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.				
						•			
		1							

Examiner	2.0	Date	10/2/5
Signature	Ø V-	Considered	10/7/03

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (08-00) Approved for use through 10/31/2002. OMB 0651-0031

Matent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Collection of information unless it contains a valid OMB control number.

Substitu	e for form 1449A/PTO		W.	ACEMA PAR	Complete if Known
INEC	RMATION	ntec	TOSLIDE	Application Number	10/724,126
				Filing Date	December 1, 2003
SIA	TEMENT BY			First Named Inventor	Hongyong ZHANG et al.
	(use as many sheets	as necess	ary)	Group Art Unit	2871 17-65
				Examiner Name	K. Parker Dec
Sheet	ı	of	I	Attorney Docket Number	0756-7224

				U.S. PATENT DOCUMENT	rs ·	
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)	Document	MM-DD-YYYY	
f.U		5,166,816		Kaneko et al.	11/24/1992	
-						

xaminer	Cite No.	Foreign Patent Document			Name of Patentee or	Date of Publication of Cited	Pages, Columns, Lines, Where	
nitials'	No.	Office ³	Number*	Kind Code ³ (if known)	Applicant of Cited Document	Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	. T ⁴
J.S		JP	56-111258	3		09/02/1981		FULL
1		JP	58-093273	3		06/02/1983		FULL
		JP	58-164268	3		09/29/1983		FULL
		JP	60-170972	2		09/04/1985		FULI
		JP	02-157827	7		06/18/1990		AB
		JP	02-234134	1		09/17/1990		FULL
		JP	03-036767	7		02/18/1991		FULI
		JP	03-179778	3		08/05/1991		AB
		JP	03-280435	5		12/11/1991		AB
		JP	04-042214	1		02/12/1992		AB
10		EP	0 372 821			06/13/1990		ENG
			ОТ	HER PRIOR	ART - NON PATENT LITE	RATURE DOCUMENTS		
xaminer nitials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						

Examiner Signature	J.C.	Date Considered 19/3/35	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute	for form 1449A/PTO			C		
INIEO	RMATION I)ICC	Adition	Application Number	Based on 09/356,376 10/7	24,126
1				Filing Date	July 19, 1999 (2/1/03	
STAI	EMENT BY	APP	LICANI	First Named Inventor	Hongyong ZHANG et al.	}
	(use as many sheets o	as necesso	ary)	Group Art Unit	- 2871 1765	
				Examiner Name	Kenneth Parker Deo	
Sheet	1	of	3	Attorney Docket Number	0756-7224	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No.'	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ¹ (if known)	Document	MM-DD-YYYY	
00		5,849,043		Zhang et al.	12/15/98	
		4,177,372		Kotera et al.	12/04/79	
		4,370,175		Levatter	01/25/83	
		4,436,557		Wood et al.	03/13/84	У.
		4,826,711		Yamazaki et al.	05/02/89	
	1	4,979,181		Nakanose et al.	12/18/90	
		5,174,876		Buchel et al.	12/29/92	
	1	5,017,277		Yoshida et al.	05/21/91	
		5,205,036		Yamazaki	04/27/93	
		5,229,081		Suda	07/20/93	
	1	5,252,498		Yamazaki	10/12/93	
		5,272,361		Yamazaki	12/21/93	
		5,296,405		Yamazaki et al.	03/22/94	
		5,313,076		Yamazaki et al.	05/17/94	
	1	5,316,969		Ishida et al.	05/31/94	
	1	5,323,013		Kelly et al.	06/21/94	
he	1	5,346,850		Kaschmitter et al.	09/13/94	

				FC	REIGN PATENT DOC	UMENTS		
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or		Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office Number (if known)			Applicant of Cited Document	MM-DD-YYYY	Figures Appear	T*
10		JP	58-103140			06/20/83		Abst.
1		JP	55-150238			11/22/80		Abst.
	1	JP	56-30721			03/27/81		Abst.
70	Ì	JP	62-142370			06/25/87		Abst.
			ОТНЕ	R PRIOR	art – non patent lite	RATURE DOCUMENTS		
Examiner Initials	Cite No.		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.				T²	
DQ.			X. Tong, et al., "Effect of Si-Substrate Heating During Laser-Induced B-Doping," Appl. Phys. A Vol. 59 (March 1994) pp. 189-191.					

Examiner Signature	Dil	Date Considered	10/3/05

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Panerwork Reduction Act of 1995, no persons are required to resp and to a collection of information unless it contains a valid OMB control number

Substitute	for form 1449A/PTO			Complete if Known		
INFO	DMATION I	וופרו	Aditso	Application Number	Based on 09/356,376 20/7	24,121
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	Jul y 19, 199 9 12/1/03	
SIAI				First Named Inventor	Hongyong ZHANG et al.	•
	(use as many sheets o	as necesso	(ציי	Group Art Unit	2871 1765	
			_	Examiner Name	Kenneth Parker DLo	
Sheet	2	of	3	Attorney Docket Number	0756-7224	

				U.S. PATENT DOCUMEN	TS	
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	Number	Kind Code ¹ (if known)	Document	MM-DD-YYYY	
80		5,566,009		Yamazaki et al.	10/15/96	
		5,583,369		Yamazaki et al.	12/10/96	
		5,946,561		Yamazaki et al.	08/31/99	
		5,938,839		Zhang	08/17/99	
		5,899,547		Yamazaki et al.	05/04/99	
15	1	4,851,363		Troxell et al.	07/25/89	

				F	DREIGN PATENT DOC	UMENTS		
Examiner Initials	Cite No. ¹	Office ³	Foreign Patent Do	Kind Code ³	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
10	+	JP	01-25953	0	<u> </u>	10/17/89		Full
1	+	JP	50-11737	<u></u>		09/13/75		Concise
		"						Stmt.
	1	JP	62-13056	2		06/12/87		Abst.
		JP	64-01132	3	-	01/13/89		Abst.
		JP	02-22254	5		09/05/90		Full
		JP	02-22433	9		09/06/90		Full
	 	JP	02-22673	2		09/10/90		Abst.
		JP	01-15672	5		06/20/89		Full
10		JP	57-16233	9		10/06/82		Abst.
			0.	THER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Initials	Cite No.1					title of the article (when appro og, etc.)., date, page(s), volum- try where published.		T3
ŝø			laoui, et al., 1990) pp. 4		oping of Silicon by E	xcimer Laser Irradiati	on," J. Appl. Phys.	A
· · · · · · · · · · · · · · · · · · ·		Kav	vachi et al.,	"Large Are	ea Doping Process for	Fabrication of Poly-	Si Thin Film	
1		Trai	nsistor Usin	g Bucket I	on Source and XeCl E	Excimer Laser Anneal		
					n. J. Appl. Phys. 29(1)			
del						ing Used to Fabricate		
	1	Oct	ober 1989, j	pp. 1789-11	793, Japanese J. of Ap	ppl. Phys., Vol. 28, N	o. 10.	

Date Considered 16/3/5

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute f	Substitute for form 1449A/PTO			Complete if Known		
INFO	OMATION I)ISC	OSTIDE	Application Number	Based on 09/356,376 10/7	14,126
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	. July 19, 1999 12/1/03	
STAT	EMENT BY	APP	LICANI	First Named Inventor	Hongyong ZHANG et al.	
	(use as many sheets a	s necesso	(עיני	Group Art Unit	2871- 12-6 5	
				Examiner Name	Kenneth Parker D.60	
Sheet	3	of	3	Attorney Docket Number	0756-7224	

				U.S. PATENT DOCUMENT	TS	
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevan Passages or Relevant Figures Appear
0 -		Number	Kind Code ² (if known)	Document	MINI-DD-1111	
10		5,521,107		Yamazaki et al.	05/28/96	
1		6,013,928		Yamazaki et al.	01/11/00	
		6,331,723	B1	Yamazaki et al.	12/18/01	
	1	6,195,139		Yamazaki et al.	02/27/01	
	İ	4,859,908		Yoshida et al.	08/22/89	
1	1	4,734,550		Imamura et al.	03/29/88	
1-	1	5,372,836		Imahashi et al.	12/13/94	
	1	5,861,337		Zhang et al.	01/19/99	
20	1	6,261,856		Shinohara et al.	07/17/01	

		_		FC	REIGN PATENT DOC	UMENTS	T	Γ
Examiner Initials*	Cite No.1	Foreign Patent Document			Date of Publication of Cited Name of Paternee or Document		Pages, Columns, Lines, Where Relevant Passages or Relevant	
		Office ³		ind Code ³ (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	Τ*
LU		JP	54-131866			10/13/79		Abst.
		JP	01-101625			04/19/89		Abst.
ju.	—	JP	02-222154			09/04/90		Full
	-				•	·	•	
			ОТН	ER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		
Examiner Initials	Cite No.1		Include nan item (book,	ne of the auth magazine, jou	or (in CAPITAL LETTERS), urnal, serial, symposium, catal publisher, city and/or coun	title of the article (when appro og, etc.)., date, page(s), volum try where published.	priate), title of the e-issue number(s),	L ₃
RQ			niconductor W 2, (with full E			ng Apparatus," pp. 19	96-197, October 1,	
				-				
		-						+-
	i	1						1

Examiner	6.11	Date	10/8/25
Signature	60	Considered	10/9/6)

[•]EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Unique citation designation number. 2 Applicant is to place a check mark here if English language Translation is attached.